

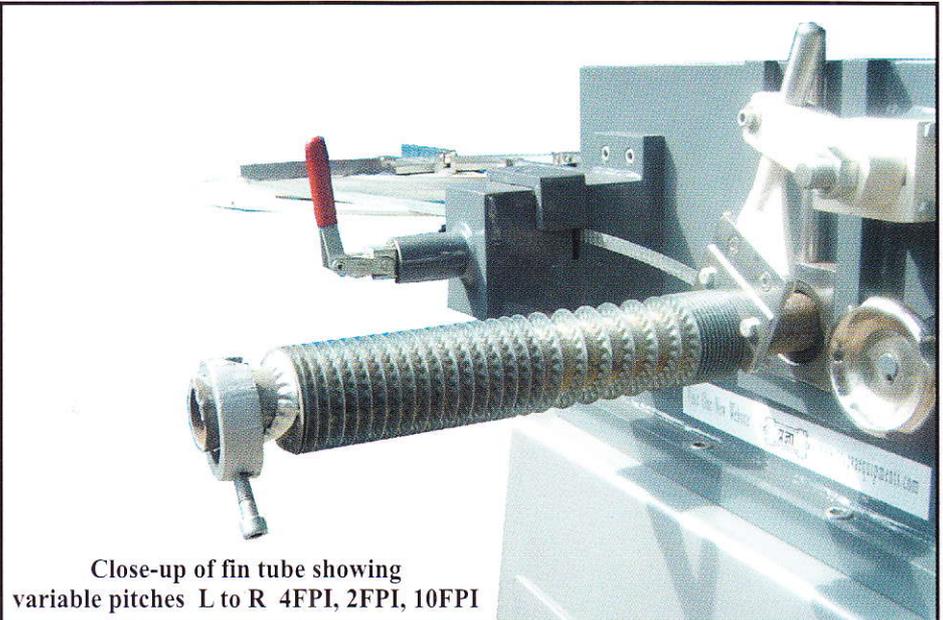
TUBE FINNING MACHINE

(Spiral & 'L' Type)

FINNED TUBES :

Continuous Spiral/'L' Wound Finned Tubes have crimp/'L' fins, which increases the overall heat transfer surface area. Quicker decipation and higher heat-transfer coefficient is obtained in equipments fitted with Fin Tubes. Continuous Spirally Crimped / 'L'. Fin Tubes are made under high mechanical tension bonding process, in which fin material is helically wound over the tube to get maximum contact of tube & fin and only end of fins are brazed / welded to core tube. Therefore it achieves the highest efficiency and withstands high internal pressure.

These are used for heat transfer i.e. cooling / heating of water, steam, air gases, oils & many other vapours, fluids etc. These tubes are used in Fin Heat Exchangers, Steam Radiators, Autoclaves,



Condensers, Dryers, Ovens, Furnaces, Air Heaters, Oil Coolers, After Coolers, and Air Compressors & in many other Heat Transfer Equipments. Fin Tubes are widely used by chemical, Petrochemical, Fertilizer, Food, Pharmaceutical, Paper, Textile & several other industries. These space saving, high efficiency Continuous Crimped Fin Tubes are made in Mild Steel, Stainless Steel, Aluminium, Copper, and Brass etc. or in different combinations of materials. However 'L' type fins on made in Mild Steel, Aluminium & Copper only, and tube material may be Mild Steel, Aluminium, Copper, Stainless Steel, Brass etc.

FINNED COILS :

Continuous Spiral Fins (Without tube), Fin Coils are used for U shaped or any other odd shaped fabrication tube.

These are widely used for industrial Electric Air Fin Heaters and Air Compressor's Cooling Tubes. These Coils replace the old-fashioned washer type separate fins. Instead of putting separate one by one-single washer fin, they can put about 200 fins at a time, using Continuous Coil of Fins. This can make more Fin Heaters in lesser time, thus saving on labour cost substantially. Because of uniform spacing of fins with these Coils have a very appealing get up. Moreover total Heat Transfer Efficiency increases substantially because of Continuous Crimped Fin design.

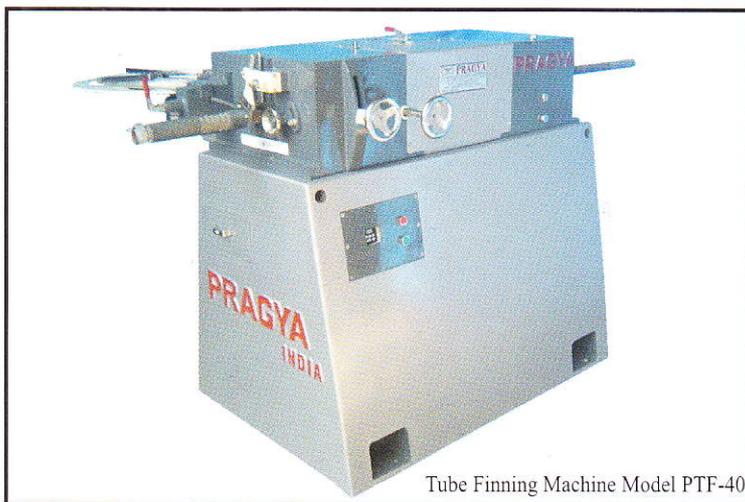
TUBE FINNING MACHINE

(Spiral & 'L' Type)

This machine works on the principle of Roto Advancing mechanism of tube, and fins are crimped and wound around the periphery of the tube under high tension.

CAPACITY :

- PTF- 40 (Spiral Type) : Suitable for Tube OD 8.0mm to 40mm.
Fin Height 5mm to 20mm., Fin Thickness upto 1.0 mm
- PTF-100 (Spiral Type) : Suitable for Tube OD 20mm to 100mm.
Fin Height 5mm to 40mm., Fin Thickness upto 1.0mm
- PTF 40 ('L' Type) : Suitable for Tube OD 8.0 mm to 40 mm.
Fin Height 10mm (If fin height is other than 10mm machine will be designed accordingly to the requirement), Fin Thickness upto 0.6 mm
- PTF 100('L' Type) : Suitable for Tube OD 30 mm to 100 mm.
Fin Height 20 mm (If fin height is other than 20mm machine will be designed accordingly to the requirement), Fin Thickness upto 0.6 mm.



POWER :

- PTF-40 : 3.0 HP Geared Motor (Spiral) with V.F.D.
- PTF-100 : 5 HP Geared Motor (Spiral) with V.F.D.
- PTF-40 : 3.0 HP Geared Motor ('L' Type) with V.F.D.
- PTF-100 : 7.5 HP Geared Motor ('L' Type) with V.F.D.

CONSTRUCTION :

BASE: M.S. Fabricated with foundation provision and leveling arrangement.

BODY : Capsule type Roto advancing arrangement of Tube for continuous tube finning and mandrel arrangement for manufacturing of Fin Coil. Adjusting for pitch 2.0mm to 12.0mm.

DRIVE: Geared Motor with variable frequency drive to change speed for various sizes of Tubes.



AWARDS :

Mr. L.C. Tolani has received the NATIONAL AWARD for the outstanding SSI entrepreneur on 30th Aug. 2000 at Vigyan Bhavan, New Delhi from the Honourable Prime Minister Shri Atal Bihari Vajpai.

Earlier in 1997 he received the BHARAT VIKAS AWARD from Dr. V. Venugopalachari, the Minister of State for Agriculture (Govt. of India).

Our Team, headed by Mr. L.C. Tolani, Consists of other Senior Directors, G.M. & Works Manager having an experience of 15 to 35 years in the fields of Engineering Industries.

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